

Table.S1 Apex of each sample

	positive control		negative control		device 1		device 2		device 3	
	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate
	1	2	1	2	1	2	1	2	1	2
0 h	-	-	-	-	-	-	-	-	-	-
1 h	-	-	-	-	-	-	-	-	-	-
2 h	-	-	522.4	-	-	-	525	524.2	-	-
3 h	523.6	524.4	525.4	521.4	523.4	-	524.6	525	520.4	-
4 h	526.2	521.4	-	521.6	526.2	519.2	523.4	524	-	524.8
5 h	521.2	523.4	525.6	-	522.4	520.4	526.8	523.6	523.2	524.4
6 h	521.8	-	523	520.6	523	519	-	-	-	-

Table.S2 Data of samples which have apex

	positive control		negative control		device 1		device 2		device 3	
	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate	replicate
	1	2	1	2	1	2	1	2	1	2
0 h	-	-	-	-	-	-	-	-	-	-
1 h	-	-	-	-	-	-	-	-	-	-
2 h	-	-	62.82	-	-	-	74.34	75.04	-	-
3 h	40.83	43.58	41.48	44.38	44.41	-	64.11	66	40.88	-
4 h	33	35.96	-	37.23	36.02	36.82	49.78	53.82	-	34.36
5 h	31.05	31.97	30.51	-	33.87	32.65	43.6	41.17	31.79	30.39
6 h	29.66	-	31.16	32.82	28.75	32.04	-	-	-	-